INTERNATIONAL SEARCH REPORT

International application No.

COPY SUBMITTED IN IDS PCT/JP2006/311575 CLASSIFICATION OF SUBJECT MATTER

C12N15/09(2006.01)i, A61K39/395(2006.01)i, A61P31/00(2006.01)i, C07K16/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C12N15/09, A61K39/395, A61P31/00, C07K16/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) BIOSIS/WPI (DIALOG), JSTPlus (JDream2)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	W0 01/79494 A1 (Chugai Pharmaceutical Co., Ltd.), 25 October, 2001 (25.10.01), Full text (Family: none)	1-13
¥	WO 02/33073 A1 (Chugai Pharmaceutical Co., Ltd.), 25 April, 2002 (25.04.02), Full text & EF 1327681 A1	1-13
Ā	Hudson P. J. et al., High avidity scFv multimers; diabodies and triabodies, J. Immunol. Methods, 1999, Vol.231, No.1-2, p.177-89	1-13

×		See patent family annex.		
Turther documents are listed in the continuation of Box C. Special categories of cited documents: A document defining the general state of the art which is not considered to be of particular relevance.		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle of theory underlying the invention		
"b. "C. "E.	earlier application or patent but published on or after the international filing date: document which may throw doubts on priority claim(s) or which is a cited to establish the publications due to functive claim or other special reason (as specified) document referring to ancel disclosure, use, exhabition or other means document referring to ancel disclosure, use, exhabition or other means document referring to ancel disclosure, use, exhabition or other means document referring to act disclosure, use, exhabition or other means document published prior to the international filing due but later than the priority date claimes.	"X" document of particular nelvance; the claimed investion cannot be considered newlood or cannot be considered to involve an anivestive step when the document is laken alone. The considered to involve an anivestive step when the document is laken alone or anivestive step when the document is considered to anvolve as investive step when the document is being chromosom to persons failled in the schemat, such combination being chromosom to persons failled in the schemat, such combination to the considered to the considered to the considered to the combination of the considered to		
Date of the actual completion of the international search 13 September, 2006 (13.09.06)		Date of mailing of the international search report 26 September, 2006 (26.09.06)		
Name and mailing address of the ISA/ Japanese Patent Office Facsimile No.		Authorized officer Telephone No.		

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International application No. PCT/JP2006/311575

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C (Continuation) DOCTMENTS CONSIDERED TO BE RELEVANT

). DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No
Category*	Citation of document, with indication, where appropriate, of the relevant passages	
Ā	Ewert S. et al., Structure-based improvement of the biophysical properties of immunoglobulin VH domains with a generalizable approach, Biochemistry, 2003, Vol.42, No.6, p.1517-28	1-13
Y	Arndt M. A. et al., Generation of a highly stable, internalizing anti-CD22 single-chain Fv fragment for targeting non-Hodgkin's lymphoma, Int. J. Cancer, 2003, Vol.107, No.5, p.822-9	1-13

Form PCT/ISA/210 (continuation of second sheet) (April 2005)

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International application No.
PCT/JP2006/311575

Box No. II	II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)		
1. Claims	search report has not been established in respect of certain chains under Article 17(2)(a) for the following reasons: Nos.: they relate to subject matter not required to be searched by this Authority, namely:		
	Nos.: they relate to parts of the international application that do not comply with the prescribed requirements to such an that no meaningful international search can be carried out, specifically:		
3. Claims becaus	t Nos.: e they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).		
Box No. III	Observations where unity of invention is tacking (Continuation of item 3 of first sheet)		
This international Scarching Authority found multiple inventions in this international application, as follows: The "special technical feature" of claim 1 resides in a method for stabilizing $\mathrm{sc}(\mathrm{Fv})_2$ comprising introducing a site-directed mutation into the $\mathrm{sc}(\mathrm{Fv})_2$, and the "special technical feature" of claim 10 resides in $\mathrm{sc}(\mathrm{Fv})_2$ having an Tm value of 55°C or higher. Since it does not appear that there is a technical relationship between these inventions involving one or more of the same or corresponding special technical features, these inventions are not considered to be so linked as to form a single general inventive concept.			
2. X As all s any add	equired additional search fees were timely paid by the applicant, this international search report covers all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of lititoral fee. some of the required additional search fees were timely paid by the applicant, this international search report covers one claims for which fees were paid, specifically claims Nos:		
	uired additional search fees were timely paid by the applicant. Consequently, this international search report is ed to the invention first mentioned in the claims, it is covered by claims Nes.:		
Remark on Pro	payment of a protest fee.		
	The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.		
	No protest accommanied the payment of additional search fees.		